MMM MMM	000000000 0000000000 000 000 000 000	UUU UUU UUU UUU UUU UUU UUU UUU UUU UU	NNN NNN NNN NNN NNN NNN NNN NNN NNN NN	
MMM MMM MMM MMM MMM MMM	00000000 00000000 00000000		NNN NNN NNN	TIT TIT

LI

LI LI LI LI LI LN LN LN LN

LO LO LO MA MO MO MO MO MO

MC

00000000 00000000 00000000000000000000	HH H	NN	00 00 00 00	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	BBBBBBBB BBBBBBBB BB BB BB BB BB BB BB BB BBBBBB
		\$			

CL VO

```
55555666666666677777777778888888888899999
                          ASSORTED MACROS USED IN FCP CODE
                                  .MACRO SET_IPL LEVEL .ENDM SET_IPL
                                                                       ; SET PROCESSOR IPL (DUMMY NOW)
                        ; MACRO USED TO SIGNAL FATAL ERRORS (INTERNAL CONSISTENCY CHECKS).
                                  .MACRO BUG_CHECK
                                                              CODE, TYPE, MESSAGE
                                                              ; SIMPLY CALL A HALT FOR NOW
                                  HALT
                                  .ENDM
                                           BUG_CHECK
                          MACRO TO SIGNAL AN ERROR STATUS AND CONTINUE.
                                  . MACRO
                                           ERROR CODE
                                           #CODE, USER_STATUS
                                 MOVL
                                           ERROR
                                  . ENDM
                          MACRO TO SIGNAL AN ERROR STATUS AND EXIT.
                                 .MACRO ERR EXIT MOVZWL CODE, -(SP)
                                  HALT
                                                              ; UNTIL WE FIGURE THIS OUT
                                           ERR_EXIT
                                  .ENDM
                           TYPE CODES USED TO IDENTIFY BLOCKS BEING READ BY READ_BLOCK.
                          NOTE THAT READ_BLOCK CONTAINS A TABLE INDEXED BY THESE CODES.
           0000
0000
0000
0000
                                 HEADER_TYPE
BITMAP_TYPE
DIRECTORY_TYPE
INDEX_TYPE
00000000
                                                    = 0
                                                                         FILE HEADER
00000001
                                                    = 1
                                                                         STORAGE BITMAP
                                                   = 2
                                                                         DIRECTORY BLOCK
00000003
                                                                       : OTHER INDEX FILE BLOCKS
           0000
                          TYPE CODES USED TO IDENTIFY BLOCKS OF MEMORY REQUESTED FROM THE
                          ALLOCATOR. NOTE THAT THESE CODES INDEX INTO A TABLE IN ALLOCATE.
           0000
00000000
           0000
                                 FCB_TYPE
WCB_TYPE
                                                    = 0
                                                                       : FILE CONTROL BLOCK
: WINDOW BLOCK
00000001
           0000
```

CL

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CL

TITLE CHNUCB - GET ASSUGNED UCB ADDRESS OF CHANNEL

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FACILITY: F11ACP STRUCTURE LEVEL 1

ABSTRACT:

THIS ROUTINE RETURNS THE ADDRESS OF THE UCB ASSIGNED TO THE GIVEN CHANNEL.

ENVIRONMENT:

STARLET OPERATING SYSTEM, INCLUDING PRIVILEGED SYSTEM SERVICES AND INTERNAL EXEC ROUTINES. THIS ROUTINE MUST BE CALLED IN KERNEL MODE.

AUTHOR: ANDREW C. GOLDSTEIN, CREATION DATE: 28-APR-1977 16:26

MODIFIED BY:

V02-000 ACG0167 Andrew C. Goldstein, 18-Apr-1980 13:40 Previous revision history moved to MOUNT.REV

EQUATED SYMBOLS:

CHANNEL = 4

: ADDRESS OF CHANNEL NUMBER ARG

00000004

- GET ASSUGNED UCB ADDRESS OF CHANNEL CHNUCB V04-000 16-SEP-1984 00:59:24 VAX/VMS Macro V04-00 EMOUNT.SRCJCHNUCB.MAR;1 (1) Page 0000 58 **SCCBDEF** ; DEFINE CHANNEL CONTROL BLOCK

CL

ERR EXIT RO MOVE CCB\$L

RET

.END

CCB\$L_UCB(R1),R0

; RETURN UCB ADDRESS AS VALUE

10\$:

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CL

```
CHNUCB
                                                      - GET ASSUGNED UCB ADDRESS OF CHANNEL
                                                                                                                                                                VAX/VMS Macro V04-00
[MOUNT.SRC]CHNUCB.MAR;1
                                                                                                                                                                                                                         (2)
                                                                                                                                                                                                               Page
 Symbol table
BITMAP TYPE
CCBSL UCB
CHANNEL
                         = 00000001
= 00000000
= 00000004
00000000 RG
                                                      02
                                                      02
                          = 00000001
WCB_TYPE
                                                                                  +----+
                                                                                    Psect synopsis
 PSECT name
                                                                                        PSECT No.
                                                      Allocation
                                                                                                          Attributes
SABS
                                                      00000000
                                                                                                  0.)
                                                                                                           NOPIC
                                                                                                                                                                                              WRT NOVEC BYTE
                                                                                        00
                                                                                                                                                      LCL NOSHR
                                                                                                                                            ABS
                                                                                                                                                                       NOEXE NORD
                                                      00000000
                                                                                                           NOPIC
                                                                                                                        USR
                                                                                                                                  CON
                                                                                                                                            ABS
                                                                                                                                                      LCL NOSHR
                                                                                                                                                                          EXE
$CODE$
                                                                                                                                                                                           NOWRT NOVEC LONG
                                                                                                                                                                                    RD
                                                                               Performance indicators
Phase
                                          Page faults
                                                                    CPU Time
                                                                                             Elapsed Time
 ----
                                                                   00:00:00.08

00:00:00.70

00:00:01.18

00:00:00.01

00:00:00.52

00:00:00.02

00:00:00.02

00:00:00.03
                                                                                            00:00:00.80
00:00:03.66
00:00:05.01
00:00:00.04
00:00:02.39
00:00:00.16
00:00:00.07
00:00:00.00
Initialization
 Command processing
 Pass 1
Symbol table sort
Pass 2
Symbol table output
Psect synopsis output
Cross-reference output
Assembler run totals
The working set limit was 900 pages.
3241 bytes (7 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 30 non-local and 1 local symbols.
197 source lines were read in Pass 1, producing 13 object records in Pass 2.
12 pages of virtual memory were used to define 11 macros.
                                                                             Macro library statistics !
Macro library name
                                                                            Macros defined
_$255$DUA28:[SYS.OBJ]LIB.MLB;1
_$255$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries)
```

80 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

CL

- GET ASSUGNED UCB ADDRESS OF CHANNEL CHNUCB VAX-11 Macro Run Statistics MACRO/LIS=LIS\$: CHNUCB/OBJ=OBJ\$: CHNUCB MSRC\$: FCPDEF/UPDATE=(ENH\$: FCPDEF)+MSRC\$: CHNUCB/UPDATE=(ENH\$: CHNUCB)+EXECML\$/LIB 0244 AH-BT13A-SE

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